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UNITED STATES PATENT AND TRADEMARK OFFICE  
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DOC DATE: 05/01/1998

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OSAKA-SHI, OSAKA 541, JAPAN

ASSIGNEE:

SHARP CORPORATION  
22-22, NAGAIKE-CHO, ABENO-KU  
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TARA WASHINGTON, EXAMINER  
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Patent

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PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<b>1. Name of conveying party(ies):</b> 1. Koichi MORITA                      7. Yoshihiro TSUKUDA 2. Hiromi FUJIWARA                  8. Kazuaki MINATO 3. Yoshiteru NAKAGAWA.            9. Takehito MITATE 4. Massamitsu KATSUURA          10. Kazuo YAMADA 5. Hiroaki MATSUYOSHI            11. Tetsuya YONEDA 6. Naoto NISHIMURA		<b>2. Name and address of receiving party(ies):</b>  Name: <u>1. OSAKA GAS COMAPANY LTD.</u> <u>2. SHARP CORPORATION</u>  Street Address: 1. <u>1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541, JAPAN</u> 2. <u>22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545, JAPAN</u>
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of name <input type="checkbox"/> Other _____ Execution Date: May 1, 1998		
<b>4. Application number(s) or patent number(s):</b> <u>09068592</u>  If this document is being filed together with a new application, the execution date of the application is: May 1, 1998  A. Patent Application No. (s) including series no.                      B. Patent No. (s)  New Application  Additional number attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: <b>LARSON &amp; TAYLOR</b> Attention: Thomas P. Sarro  Street Address: Transpotomac Plaza 1199 North Fairfax St., Ste. 900  City: Alexandria    State: Virginia    ZIP: 22314	<b>6. Total number of applications and patents involved:</b> 1  <b>7. Total fee (37 CFR 3.41):</b> .....\$ 40.00  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b> 12-0555  (Attach duplicate copy of this page if paying by deposit account)	
05/18/1998 WCLAYBRD 00000022 09068592 40.00 DP <b>DO NOT USE THIS SPACE</b>		
<b>9. Statement and signature.</b> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  B. Aaron Schulman <u>B. Aaron Schulman</u> 5/14/98 Name of person signing                      Signature                      Date  Reg. No. <u>31877</u> Total number of pages comprising cover sheet: <u>4</u>		

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS,

(1) MORITA Koichi, (2) FUJIWARA Hiromi, (3) NAKAGAWA Yoshiteru,  
(4) KATSUURA Masamitsu, (5) MATSUYOSHI Hiroaki,  
(6) NISHIMURA Naoto, (7) TSUKUDA Yoshihiro, (8) MINATO Kazuaki,  
(9) MITATE Takehito, (10) YAMADA Kazuo, and (11) YONEDA Tetsuya,  
residing respectively at

(1) 1-25-47-203, Hashiridani, Hirakata-shi, Osaka 573, Japan; (2) 18-2, Ibukino  
1-chome, Izumi-shi, Osaka 594, Japan; (3) 370, Koizumi-cho, Yamatokoriyama-shi,  
Nara 639-11, Japan; (4) 6-3-4-506, Torishima, Konohana-ku, Osaka-shi, Osaka 554,  
Japan; (5) 2-14-2, Kanaoka, Higashi Osaka-shi, Osaka 577, Japan; (6) 192-1,  
Hajikami, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21, Japan; (7) 4-1-9-306,  
Oji-cho, Abeno-ku, Osaka-shi, Osaka 545, Japan; (8) 5-1-2-1308, Shiginonishi,  
Joto-ku, Osaka-shi, Osaka 536, Japan; (9) 65-4, Noguchi, Yamatotakada-shi, Nara  
635, Japan; (10) 500-4, Hikita, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21,  
Japan; and (11) 17, Tsutsujigaoka Kita 9-bancho, Nabari-shi, Mie 518-04, Japan,  
(hereinafter referred to as the "ASSIGNOR") has/have invented  
certain new and useful improvements in MATERIAL FOR NEGATIVE ELECTRODE OF LITHIUM  
SECONDARY BATTERY, METHOD FOR PRODUCTION THEREOF AND LITHIUM SECONDARY BATTERY USING THE SAME

for which ASSIGNOR has executed on even date herewith an  
application for Letters Patent of the United States of America,  
Serial No. \_\_\_\_\_

And WHEREAS, OSAKA GAS COMPANY LIMITED,  
a company organized under the laws of Japan,  
and having a principal place of business at 1-2, Hiranomachi  
4-chome, Chuo-ku, Osaka-shi, Osaka 541, Japan, and  
SHARP CORPORATION

a company organized under the laws of Japan,  
and having a principal place of business at 22-22, Nagaike-cho,  
Abeno-ku, Osaka-shi, Osaka 545, Japan

(hereinafter referred to as the "ASSIGNEE") is/are desirous of  
acquiring the entire right, title and interest in and to said  
application and the invention(s) and improvement(s) therein  
disclosed, for the United States of America, and any Letters  
Patent which may issue therefor in the United States and all  
divisions, continuations, reissues, reexaminations, renewals  
and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S.  
dollars (\$10.00) and other good and valuable consideration, the  
receipt and sufficiency of which is hereby acknowledged, the  
ASSIGNOR does hereby assign, sell, transfer and set over unto

the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will, upon request, communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue, reexamination, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

- (1) Signature: Koichi Morita  
Name: MORITA Koichi,  
Date: May 1, 1998
- (2) Signature: Hiromi Fujiwara  
Name: FUJIWARA Hiromi  
Date: May 1, 1998
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Date: May 1, 1998
- (4) Signature: Masamitsu Katsuura  
Name: KATSUURA Masamitsu  
Date: May 1, 1998
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Date: May 1, 1998
- (6) Signature: Naoto Nishimura  
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